



# MICROPERFORATED WOOD

## SANDWICH PANELS

### MCSP



**DATA SHEET**



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## PRODUCT DESCRIPTION

MCM Acoustical's Microperforated Sandwich Panel offers strong built-in acoustical absorption while providing the beauty and warmth of natural wood veneer. Microperforation on the face of the panel channel sound to the no-added urea formaldehyde fiberglass core where it is absorbed.



## FEATURES

**DIMENSIONS:** The Panels can be manufactured to the desired size, with shop drawings produced by MCM Acoustical, thereby requiring no field cutting for faster installation. The Panels are available in five thicknesses: Type 12: 7/8", Type 19: 1 1/8", Type 25: 1 3/8", Type 38: 1 7/8" and Type 50: 2 3/8".

**VENEERS:** The Panels can be customized in a variety of wood veneers. MCM Acoustical lays-up its own veneer so slip-matched, book-matched, random or custom matched lay-up choices are available.

**FINISHES:** The Panels can be finished in standard clear lacquer or can be custom stained to match a control sample. The Panels can also be painted.



## SUSTAINABILITY

FSC Certified      70.8% pre-consumer recycled content      Declare label      CDPH VOC Certified



## FIRE PERFORMANCE

The Microperforated Sandwich Panels are Class A Fire-Rated interior wood finish products as per ASTM E84 and CAN/ULC S102, and are tested in an accredited NVLAP test facility as a finished composite product using Class A individual components.



## INDOOR AIR QUALITY

The Microperforated Sandwich Panels are certified Clean Air Gold and meet the CDPH Standard VOC emissions.



## ACCLIMATIZATION

Like any other architectural natural wood product, the Microperforated Sandwich Panels are to be acclimatized inside a controlled interior environment for at least 72 hours before installation. During storage, prior to installation, during installation, and after installation the relative humidity level of 30%-55% and a temperature range of 15.5°C-32°C (60°F-90°F) must be maintained.



## ACOUSTIC PERFORMANCE

The face of the panel has a Microperforated face to allow the sound to enter and disperse inside the panel. The core of the panel has rigid fiberglass to absorb noise, giving an NRC of up to 0.80 with no need for further acoustical treatment behind the panel.



## SOUND ABSORPTION

Number in the mounting designation is the airspace behind/above the panel in millimetres.

| Mounting            | Backing | Frequency (HZ) |      |      |      |      |      | NRC  | SAA  |
|---------------------|---------|----------------|------|------|------|------|------|------|------|
|                     |         | 125            | 250  | 500  | 1000 | 2000 | 4000 |      |      |
| Type E400 (15 3/4") | N/A     | 0.68           | 0.83 | 0.75 | 0.91 | 0.75 | 0.70 | 0.80 | 0.80 |
| Type E25 (1")       | N/A     | 0.23           | 0.58 | 1.04 | 0.84 | 0.70 | 0.58 | 0.80 | 0.80 |
| Type F5 (3/16")     | N/A     | 0.10           | 0.35 | 0.95 | 0.97 | 0.65 | 0.63 | 0.75 | 0.73 |

Sounds Absorption for Microperforated Sandwich Panel Type 25: 1 3/8" thick.